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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update
frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/Caplus
and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
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NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 19 Jun 03 New e-mail delivery for search results now available
NEWS 20 Jun 10 MEDLINE Reload
NEWS 21 Jun 10 PCTFULL has been reloaded
NEWS 22 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 23 Jul 19 NTIS to be reloaded July 28, 2002
NEWS 24 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS WWW CAS World Wide Web Site (general information)

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=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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STRUCTURE FILE UPDATES: 23 JUL 2002 HIGHEST RN 439897-97-9

DICTIONARY FILE UPDATES: 23 JUL 2002 HIGHEST RN 439897-97-9

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e methyacrylamide

E1	945	METHY/BI
E2	7	METHYACRYL/BI
E3	0 -->	METHYACRYLAMIDE/BI
E4	3	METHYACRYLATE/BI
E5	1	METHYACRYLIC/BI
E6	3	METHYACRYLOYL/BI
E7	3	METHYACRYLOYLOXY/BI
E8	1	METHYACRYLOYLOXYPROPYL/BI
E9	1	METHYACRYLOYLOXYPROPYLTRI/BI
E10	1	METHYACRYLOYLOXYPROPYLTRIMETH/BI
E11	1	METHYACRYLOYLOXYPROPYLTRIMETHOXY/BI
E12	1	METHYACRYLOYLOXYPROPYLTRIMETHOXYSILANE/BI

=> e acrylamide

E1	3	ACRYLAMIDATE/BI
E2	26	ACRYLAMIDATO/BI
E3	12652 -->	ACRYLAMIDE/BI
E4	1	ACRYLAMIDECO/BI
E5	1	ACRYLAMIDECOPOLY/BI
E6	1	ACRYLAMIDECOPOLYMER/BI
E7	2	ACRYLAMIDEMETHYL/BI
E8	1	ACRYLAMIDEMETHYLPROPANE/BI
E9	1	ACRYLAMIDEMETHYLPROPANESULFONIC/BI
E10	1	ACRYLAMIDEO/BI
E11	1	ACRYLAMIDEOSTEAR/BI
E12	1	ACRYLAMIDEOSTEARATE/BI

=> e methacrylamide

E1	3	METHACRYLAMID/BI
E2	3	METHACRYLAMIDATE/BI
E3	1912 -->	METHACRYLAMIDE/BI
E4	1	METHACRYLAMIDEMETHYL/BI
E5	1	METHACRYLAMIDEPHENYL/BI
E6	1	METHACRYLAMIDEPROPYL/BI
E7	1	METHACRYLAMIDESULFON/BI

```

E8          1      METHACRYLAMIDESULFONATE/BI
E9         616      METHACRYLAMIDO/BI
E10         2      METHACRYLAMIDOACET/BI
E11         2      METHACRYLAMIDOACETALDEHYDE/BI
E12         2      METHACRYLAMIDOACETYL/BI

```

=> s e3

```
L1          1912 METHACRYLAMIDE/BI
```

=> fil .search

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.76	4.97

FILE 'MEDLINE' ENTERED AT 15:42:45 ON 24 JUL 2002

FILE 'CAPLUS' ENTERED AT 15:42:45 ON 24 JUL 2002
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 COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'USPATFULL' ENTERED AT 15:42:45 ON 24 JUL 2002
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=> s l1

```
L2          8942 L1
```

=> s l2 and (stimul?)

```
L3          127 L2 AND (STIMUL?)
```

=> s l3 and (gel?)

```
L4          76 L3 AND (GEL?)
```

=> s l4 and polymer?

```
L5          61 L4 AND POLYMER?
```

=> s l5 and (radioisotop? or radioactiv? or radionuclid? or radiolabel?)

```
L6          12 L5 AND (RADIOISOTOP? OR RADIOACTIV? OR RADIONUCLID? OR RADIOLAB
EL?)
```

=> dup rem l6

PROCESSING COMPLETED FOR L6

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L7          12 DUP REM L6 (0 DUPLICATES REMOVED)
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=> d ibib ab 1-

YOU HAVE REQUESTED DATA FROM 12 ANSWERS - CONTINUE? Y/(N):y

L7 ANSWER 1 OF 12 USPATFULL
 ACCESSION NUMBER: 2002:26845 USPATFULL
 TITLE: Molecularly imprinted polymers for the treatment and diagnosis of medical conditions
 INVENTOR(S): Green, Bernard S., Kibbutz Yavne, ISRAEL
 Priwler, Morris, Modtin, ISRAEL

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002015690	A1	20020207
APPLICATION INFO.:	US 2001-893643	A1	20010629 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-215882P	20000630 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: DR. D. GRAESER LTD., C/O THE POLKINHORNS, 9003 FLORIN WAY, UPPER MARLBORO, MD, 20772
 NUMBER OF CLAIMS: 30
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 2 Drawing Page(s)
 LINE COUNT: 1284

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved molecularly imprinted polymers (MIPs) with both higher and more specific binding capacity for particular bile acids and/or salts, including the synthesis of such MIPs, the compounds themselves, and specific applications thereof. As an example of a particularly preferred specific application of these compounds, the present invention encompasses the use of the MIPs as sequestrants in the gastrointestinal tract, particularly in order to bind and therefore remove toxins from the gastrointestinal tract. In addition, the present invention is also useful for treatment of various diseases which are related to, and/or characterized by, an effect of bile acids and salts, such as atherosclerosis, liver disease and various diseases of the gastrointestinal tract. The MIP compounds of the present invention are also useful for combination therapy with other medications and for diagnosis and monitoring of diseases.

L7 ANSWER 3 OF 12 USPATFULL
 ACCESSION NUMBER: 2001:133999 USPATFULL
 TITLE: TARGET MOLECULE ATTACHMENT TO SURFACES
 INVENTOR(S): CHAPPA, RALPH A., PRIOR LAKE, MN, United States
 HU, SHEAU-PING, FALCON HEIGHTS, MN, United States
 SWAN, DALE G., ST. LOUIS PARK, MN, United States
 SWANSON, MELVIN J., CARVER, MN, United States
 PATENT ASSIGNEE(S): GUIRE, PATRICK E., EDEN PRAIRIE, MN, United States
 SURMODICS, INC., EDEN PRAIRIE, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001014448	A1	20010816
APPLICATION INFO.:	US 1999-227913	A1	19990108 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-940213, filed on 30 Sep 1997, GRANTED, Pat. No. US 5858653		

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KARRIE G. WEAVER, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2020

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method and reagent composition for covalent attachment of target molecules, such as nucleic acids, onto the surface of a substrate. The reagent composition includes groups capable of covalently binding to the target molecule. Optionally, the composition can contain photoreactive groups for use in attaching the reagent composition to the surface. The reagent composition can be used to provide activated slides for use in preparing microarrays of nucleic acids.

L7 ANSWER 2 OF 12 USPATFULL
 ACCESSION NUMBER: 2002:3640 USPATFULL
 TITLE: Lipid-based drug delivery systems containing phospholipase A2 degradable lipid derivatives and the therapeutic uses thereof
 INVENTOR(S): Jorgensen, Kent, Bagsvaerd, DENMARK
 Davidsson, Jesper, Copenhagen, DENMARK
 Vermehren, Charlotte, Sotofte, DENMARK
 Frokjaer, Sven, Holte, DENMARK
 Mouritsen, Ole G., Klampenborg, DENMARK

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002001614	A1	20020103
APPLICATION INFO.:	US 2001-781893	A1	20010209 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DK 2000-211	20000210
	DK 2000-616	20000412
	US 2000-198374P	20000419 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747

NUMBER OF CLAIMS: 56
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 16 Drawing Page(s)
 LINE COUNT: 2450

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a lipid-based drug delivery system for administration of a lysolipid derivative present in prodrug form, said prodrug furthermore being a substrate for extracellular phospholipase A₂ to the extent that an organic radical can be hydrolytically cleaved off, whereas the aliphatic group of the lysolipid derivative remains substantially unaffected, said system having included therein lipopolymers or glycolipids so as to present hydrophilic chains on the surface of the system. Particularly interesting lipid derivatives are ether lipids and ether lipids in which drug substance is covalently attached in the sn-2-position. Pharmaceutical compositions comprising the drug delivery system can be used in the targeted treatment of various disorders, e.g. cancer, infectious, and inflammatory conditions, etc., i.e. disorders and diseases associated with or resulting from increased levels of extracellular PLA₂ activity in the diseased tissue.

L7 ANSWER 4 OF 12 USPATFULL
 ACCESSION NUMBER: 2001:55486 USPATFULL
 TITLE: Bioadhesive microspheres and their use as drug delivery and imaging systems
 INVENTOR(S): Machiowitz, Edith, Brookline, MA, United States
 Chickering, Donald, Providence, RI, United States
 Jacob, Jules Serge, Fall River, MA, United States
 PATENT ASSIGNEE(S): Brown University Research Foundation, Providence, RI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6217908	B1	20010417
APPLICATION INFO.:	US 1993-52473		19930423 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-873480, filed on 24 Apr 1992		

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Webman, Edward J.
 LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP

NUMBER OF CLAIMS: 26
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 18 Drawing Figure(s); 9 Drawing Page(s)
 LINE COUNT: 1449

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Bioadhesive polymers in the form of, or as a coating on, microcapsules containing drugs or bioactive substances which may serve for therapeutic, or diagnostic purposes in diseases of the gastrointestinal tract, are described. The polymeric microspheres all have a bioadhesive force of at least 11 mN/cm² (110 N/m², sup. 2). Techniques for the fabrication of bioadhesive microspheres, as well as a method for measuring bioadhesive forces between microspheres and selected segments of the gastrointestinal tract in vitro are also described. This quantitative method provides a means to establish a correlation between the chemical nature, the surface morphology and the dimensions of drug-loaded microspheres on one hand and bioadhesive forces on the other, allowing the screening of the most promising materials from a relatively large group of natural and synthetic polymers which, from theoretical consideration, should be used for making bioadhesive microspheres.

L7 ANSWER 5 OF 12 USPATFULL
 ACCESSION NUMBER: 2001:4882 USPATFULL
 TITLE: Oligonucleotides modified with conjugate groups
 INVENTOR(S): Cook, Alan Frederick, Cedar Grove, NJ, United States
 PATENT ASSIGNEE(S): Genzyme Corporation, Framingham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6172208	B1	20010109
APPLICATION INFO.:	US 1992-908376		19920706 (7)
DOCUMENT TYPE:	Patent		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Horlick, Kenneth R.		
LEGAL REPRESENTATIVE:	Olatein, Elliot M., Lillie, Raymond J.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	891		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An oligonucleotide wherein at least one nucleotide unit of the oligonucleotide is conjugated with a moiety selected from the group consisting of: (a) amino acids; (b) dipeptide mimics; (c) sugars; (d) sugar phosphates; (e) neurotransmitters; (f) polyhydroxypropylmethacrylamide; (g) dextrans; (h) polymaleic anhydride; (i) cyclodextrins; (j) starches; and (k) polyethyleneimine. The oligonucleotides may be employed for binding to an RNA, and DNA, a protein, or a peptide to inhibit or prevent gene transcription or gene expression, to inhibit or stimulate the activities of target molecules, or the oligonucleotides may be employed as diagnostic probes for determining the presence of specific DNA or RNA sequences or proteins.

L7 ANSWER 6 OF 12 USPATFULL
 ACCESSION NUMBER: 2001:4876 USPATFULL
 TITLE: Synthesis of polymer bio-active conjugates
 INVENTOR(S): Marucci, Fabrizio, Legnano, Italy
 Gregory, Ruth, Milan, Italy
 Pharmacia S.p.A., Milan, Italy (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6172202	B1	20010109
APPLICATION INFO.:	US 1997-889049		19970707 (8)
RELATED APPL. INFO.:	Continuation of Ser. No. US 424548, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1992-25448	19921204
DOCUMENT TYPE:	Patent	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kulcosky, Peter F.	
LEGAL REPRESENTATIVE:	Arent Fox Kintner Plotkin Kahn	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	836	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the preparation of a conjugate between a poly (ethylene glycol) and a protein or glycoprotein, the process comprising specifically binding the domain to a specific binder, to shield the domain from the poly (ethylene glycol) in the following conjugating step, thereafter conjugating the poly (ethylene glycol) to the protein or glycoprotein, wherein conjugation of the poly (ethylene glycol) to the domain is avoided and thereafter releasing the specific binder from the domain without releasing the poly (ethylene glycol) from the protein or glycoprotein, wherein the protein or glycoprotein is other than a proteolytic enzyme selected from the group consisting of trypsin, urokinase, tissue plasminogen activator, plasmin, chymotrypsin, elastase and kallikrein.

L7 ANSWER 7 OF 12 USPATFULL
 ACCESSION NUMBER: 2000:134805 USPATFULL
 TITLE: Polybifunctional reagent having a polymeric backbone and photoreactive moieties and bioactive groups
 INVENTOR(S): Clapper, David L., Shorewood, MN, United States
 Swanson, Melvin J., Carver, MN, United States
 Hu, Sheau-Ping, Falcon Heights, MN, United States
 Amos, Richard A., St. Anthony, MN, United States
 Everson, Terrence P., Eagan, MN, United States
 PATENT ASSIGNEE(S): SurModics, Inc., Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6121027		20000919
APPLICATION INFO.:	US 1997-916913		19970815 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Haff, David M.		
LEGAL REPRESENTATIVE:	Fredrikson & Byron, P.A.		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2331		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A polybifunctional reagent is provided having a polymeric backbone, one or more pendent photoreactive moieties, and two or more pendent bioactive groups. The reagent can be activated to form a bulk material or can be brought into contact with the surface of a previously formed biomaterial and activated to form a coating. The pendent bioactive groups function by promoting the attachment of specific molecules or cells to the bulk material or coated surface. Bioactive groups can include proteins, peptides, carbohydrates, nucleic acids and other molecules that are capable of binding noncovalently to specific and complimentary portions of molecules or cells.

L7 ANSWER 8 OF 12 USPATFULL
 ACCESSION NUMBER: 1999:166624 USPATFULL
 TITLE: Protein-containing polymer composition for oral administration
 INVENTOR(S): Plate, Nikolai A., Moscow, Russian Federation
 Valuev, Lev I., Moscow, Russian Federation
 Valueva, Tatyana A., Moscow, Russian Federation
 Staroseltseva, Ludmila K., Moscow, Russian Federation
 Ametov, Alexander S., Moscow, Russian Federation
 Knyazhev, Vladimir A., Moscow, Russian Federation
 Henis, Jay M.S., St. Louis, MO, United States
 PATENT ASSIGNEE(S): Orex Pharmaceutical Development Corp., St. Louis, MO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6004583		19991221
APPLICATION INFO.:	US 1996-691617		19960802 (8)
RELATED APPL. INFO.:	Continuation-in-part of Ser. No. US 1995-408076, filed on 22 Mar 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Webman, Edward J.		
LEGAL REPRESENTATIVE:	Shust, Nestor W. Hudak & Shunk Co., L.P.A.		
NUMBER OF CLAIMS:	69		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2218		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A therapeutic-containing composition adapted for the oral administration of a biologically active material which comprises a water insoluble but water swellable polymer chemically modified with an enzyme inhibitor containing a chemical functionality which has an interactive affinity for target receptors located on the transport barrier walls of the digestive tract of the intended recipient, and at least one therapeutic of low oral bioavailability.

L7 ANSWER 9 OF 12 USPATFULL
 ACCESSION NUMBER: 1999:4322 USPATFULL
 TITLE: Reagent and method for attaching target molecules to a surface
 INVENTOR(S): Duran, Lise W., Maple Grove, MN, United States
 Swanson, Melvin J., Carver, MN, United States
 Amos, Richard A., St. Anthony, MN, United States
 Hu, Sheau-Ping J., Falcon Heights, MN, United States
 Guire, Patrick E., Eden Prairie, MN, United States
 SurModics, Inc., Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5858653		19990112
APPLICATION INFO.:	US 1997-940213		19970930 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Richter, Johann		
ASSISTANT EXAMINER:	Oswecki, Jane C.		
LEGAL REPRESENTATIVE:	Fredrikson & Byron, P.A.		
NUMBER OF CLAIMS:	60		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1701		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method and reagent composition for covalent attachment of target molecules, such as nucleic acids, onto the surface of a substrate. The reagent composition includes groups capable of attracting the target molecule as well as groups capable of covalently binding to the target molecule, once attracted. Optionally, the composition can contain photoreactive groups for use in attaching the reagent composition to the surface.

L7 ANSWER 10 OF 12 USPATFULL
 ACCESSION NUMBER: 97:49512 USPATFULL
 TITLE: Restrained multifunctional reagent for surface modification
 INVENTOR(S): Swan, Dale G., St. Louis Park, MN, United States
 Hastings, Charles A., Hopkins, MN, United States
 BSI Corporation, Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5637460		19970610
APPLICATION INFO.:	US 1994-344570		19941123 (8)
RELATED APPL. INFO.:	Division of Ser. No. US 1992-972533, filed on 6 Nov 1992, now patented, Pat. No. US 5414075		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Elliott, George C.		
ASSISTANT EXAMINER:	Fredman, Jeffrey		
LEGAL REPRESENTATIVE:	Fredrikson & Byron, P.A.		
NUMBER OF CLAIMS:	39		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1342		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of preparing (e.g., priming) a surface for attachment of a target molecule to the surface. The method provides a multifunctional reagent having multiple photoreactive groups. The groups can be activated in order to covalently bind one or more of them to the surface in such a manner that one or more will remain unbound. The unbound groups are then capable of reverting to their activatable state, whereupon they can again be activated in order to bind a target molecule having abstractable hydrogen atoms.

L7 ANSWER 11 OF 12 USPATFULL
 ACCESSION NUMBER: 96:36473 USPATFULL
 TITLE: Cell culture support containing a cell adhesion factor and a positively-charged molecule
 INVENTOR(S): Clapper, David L., Shorewood, MN, United States
 Hu, Wei-Shou, Falcon Heights, MN, United States
 BSI Corporation, Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5512474		19960430
APPLICATION INFO.:	US 1994-208916		19940309 (8)
RELATED APPL. INFO.:	Continuation of Ser. No. US 1992-891509, filed on 29 May 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Naff, David M.		
LEGAL REPRESENTATIVE:	Goldman, Philip M., Haller, James R., Kaihoi, Gregory P.		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1300		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A combination of a cell adhesion factor and a positively-charged molecule are bound to the surface of a cell culture support of a bioreactor to improve cell attachment and stabilize cell growth. The positively charged molecule is preferably polylysine, chitosan, poly(ethylenimine) or acrylics polymerized from acrylamide or methacrylamide and incorporating positively-charged groups in the form of primary, secondary or tertiary amines, or quaternary salts. The cell adhesion factor is preferably fibronectin, laminin, collagen, vitronectin or tensascin, or fragments or analogs having a cell binding domain thereof. The positively-charged molecule and the cell adhesion factor can be covalently bound to the supporting surface. In another embodiment, the positively-charged molecule and the cell adhesion factor are covalently bound to one another and either the positively-charged molecule or the cell adhesion factor is covalently bound to the supporting surface. Also, the positively-charged molecule or the cell adhesion factor or both can be provided in the form of a stable coating non-covalently bound around the surface of the support. The cell culture support may be in the form of a microcarrier and can be made of polystyrene or polypropylene.

L7 ANSWER 12 OF 12 USPATFULL
 ACCESSION NUMBER: 95:41011 USPATFULL
 TITLE: Restrained multifunctional reagent for surface modification
 INVENTOR(S): Swan, Dale G., St. Louis Park, MN, United States
 Hastings, Charles A., Hopkins, MN, United States
 BSI Corporation, Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5414075		19950509
APPLICATION INFO.:	US 1992-972533		19921106 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Parr, Margaret		
ASSISTANT EXAMINER:	Campbell, Eggerton		
LEGAL REPRESENTATIVE:	Fredrikson & Byron		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1199		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A multifunctional reagent is provided that is useful for the attachment of desired molecules to support surfaces. A reactive reagent molecule of the invention is "restrained" in that it is conformationally and/or chemically restricted from reacting with either itself or with other molecules of the same reagent. Upon activation, this feature causes the attachment of less than all of the reactive sites of the multifunctional reagent to a surface, thereby leaving the remaining sites free to react with molecules desired to be immobilized onto the surface.

=> d his

(FILE 'HOME' ENTERED AT 15:41:39 ON 24 JUL 2002)

FILE 'REGISTRY' ENTERED AT 15:41:44 ON 24 JUL 2002

E METHYACRYLAMIDE

E ACRYLAMIDE

E METHACRYLAMIDE

L1 1912 S E3

FILE 'MEDLINE, CAPLUS, BIOSIS, USPATFULL, EMBASE' ENTERED AT 15:42:45 ON
24 JUL 2002

L2 8942 S L1

L3 127 S L2 AND (STIMUL?)

L4 76 S L3 AND (GEL?)

L5 61 S L4 AND POLYMER?

L6 12 S L5 AND (RADIOISOTOP? OR RADIOACTIV? OR RADIONUCLID? OR RADIO

L7 12 DUP REM L6 (0 DUPLICATES REMOVED)

=> s l1 and (stimuli(p)gel? or stimuli(p)polymer?)

L8 16 L1 AND (STIMULI(P) GEL? OR STIMULI(P) POLYMER?)

=> s l6 not l8

L9 12 L6 NOT L8

=> dup rem l9

PROCESSING COMPLETED FOR L9

L10 12 DUP REM L9 (0 DUPLICATES REMOVED)

L10 ANSWER 1 OF 12 USPATFULL

ACCESSION NUMBER: 2002:26845 USPATFULL
 TITLE: Molecularly imprinted polymers for the treatment and diagnosis of medical conditions
 INVENTOR(S): Green, Bernard S., Kibbutz Yavne, ISRAEL
 Priwler, Morris, Modtin, ISRAEL

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002015690	A1	20020207
APPLICATION INFO.:	US 2001-893643	A1	20010629 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-215882P	20000630 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DR. D. GRAESER LTD., C/O THE POLKINHORNS, 9003 FLORIN WAY, UPPER MARLBORO, MD, 20772	
NUMBER OF CLAIMS:	30	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1284	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved molecularly imprinted polymers (MIPs) with both higher and more specific binding capacity for particular bile acids and/or salts, including the synthesis of such MIPs, the compounds themselves, and specific applications thereof. As an example of a particularly preferred specific application of these compounds, the present invention encompasses the use of the MIPs as sequestrants in the gastrointestinal tract, particularly in order to bind and therefore remove toxins from the gastrointestinal tract. In addition, the present invention is also useful for treatment of various diseases which are related to, and/or characterized by, an effect of bile acids and salts, such as atherosclerosis, liver disease and various diseases of the gastrointestinal tract. The MIP compounds of the present invention are also useful for combination therapy with other medications and for diagnosis and monitoring of diseases.

L10 ANSWER 3 OF 12 USPATFULL

ACCESSION NUMBER: 2001:133999 USPATFULL
 TITLE: TARGET MOLECULE ATTACHMENT TO SURFACES
 INVENTOR(S): CHAPPA, RALPH A., PRIOR LAKE, MN, United States
 HU, SHEAU-PING, FALCON HEIGHTS, MN, United States
 SWAN, DALE G., ST. LOUIS PARK, MN, United States
 SWANSON, MELVIN J., CARVER, MN, United States
 PATENT ASSIGNEE(S): GUIRE, PATRICK E., EDEN PRAIRIE, MN, United States
 SURMODICS, INC., EDEN PRAIRIE, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001014448	A1	20010816
APPLICATION INFO.:	US 1999-227913	A1	19990108 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-940213, filed on 30 Sep 1997, GRANTED, Pat. No. US 5858653		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	KARRIE G. WEAVER, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903		
NUMBER OF CLAIMS:	38		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2020		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method and reagent composition for covalent attachment of target molecules, such as nucleic acids, onto the surface of a substrate. The reagent composition includes groups capable of covalently binding to the target molecule. Optionally, the composition can contain photoreactive groups for use in attaching the reagent composition to the surface. The reagent composition can be used to provide activated slides for use in preparing microarrays of nucleic acids.

L10 ANSWER 2 OF 12 USPATFULL

ACCESSION NUMBER: 2002:3640 USPATFULL
 TITLE: Lipid-based drug delivery systems containing phospholipase A2 degradable lipid derivatives and the therapeutic uses thereof
 INVENTOR(S): Jorgensen, Kent, Bagsvaerd, DENMARK
 Davidsen, Jesper, Copenhagen, DENMARK
 Vermehren, Charlotte, Sotofte, DENMARK
 Prokjaer, Sven, Holte, DENMARK
 Mouritsen, Ole G., Klampenborg, DENMARK

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002001614	A1	20020103
APPLICATION INFO.:	US 2001-781893	A1	20010209 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DK 2000-211	20000210
	DK 2000-616	20000412
	US 2000-198374P	20000419 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747	
NUMBER OF CLAIMS:	56	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Page(s)	
LINE COUNT:	2450	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a lipid-based drug delivery system for administration of a lysolipid derivative present in produg from, said produg furthermore being a substrate for extracellular phospholipase A₂ to the extent that an organic radical can be hydrolytically cleaved off, whereas the aliphatic group of the lysolipid derivative remains substantially unaffected, said system having included therein lipopolymers or glycolipids so as to present hydrophilic chains on the surface of the system. Particularly interesting lipid derivatives are ether lipids and ether lipids in which drug substance is covalently attached in the sn-2-position. Pharmaceutical compositions comprising the drug delivery system can be used in the targeted treatment of various disorders, e.g. cancer, infectious, and inflammatory conditions, etc., i.e. disorders and diseases associated with or resulting from increased levels of extracellular PLA₂ activity in the diseased tissue.

L10 ANSWER 4 OF 12 USPATFULL

ACCESSION NUMBER: 2001:55486 USPATFULL
 TITLE: Bioadhesive microspheres and their use as drug delivery and imaging systems
 INVENTOR(S): Mathiowitz, Edith, Brookline, MA, United States
 Chickering, Donald, Providence, RI, United States
 Jacob, Jules Serge, Fall River, MA, United States
 PATENT ASSIGNEE(S): Brown University Research Foundation, Providence, RI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6217908	B1	20010417
APPLICATION INFO.:	US 1993-52473		19930423 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-873480, filed on 24 Apr 1992		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Webman, Edward J.		
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory, LLP		
NUMBER OF CLAIMS:	26		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	18 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1449		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Bioadhesive polymers in the form of, or as a coating on, microcapsules containing drugs or bioactive substances which may serve for therapeutic, or diagnostic purposes in diseases of the gastrointestinal tract, are described. The polymeric microspheres all have a bioadhesive force of at least 11 mN/cm² (110 N/m²). Techniques for the fabrication of bioadhesive microspheres, as well as a method for measuring bioadhesive forces between microspheres and selected segments of the gastrointestinal tract in vitro are also described. This quantitative method provides a means to establish a correlation between the chemical nature, the surface morphology and the dimensions of drug-loaded microspheres on one hand and bioadhesive forces on the other, allowing the screening of the most promising materials from a relatively large group of natural and synthetic polymers which, from theoretical consideration, should be used for making bioadhesive microspheres.

L10 ANSWER 5 OF 12 USPATFULL

ACCESSION NUMBER: 2001:4882 USPATFULL
 TITLE: Oligonucleotides modified with conjugate groups
 INVENTOR(S): Cook, Alan Frederick, Cedar Grove, NJ, United States
 PATENT ASSIGNEE(S): Genzyme Corporation, Framingham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6172208	B1	20010109
APPLICATION INFO.:	US 1992-908376		19920706 (7)
DOCUMENT TYPE:	Patent		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Horlick, Kenneth R.		
LEGAL REPRESENTATIVE:	Olstein, Elliot M., Lillie, Raymond J.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	891		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An oligonucleotide wherein at least one nucleotide unit of the oligonucleotide is conjugated with a moiety selected from the group consisting of: (a) amino acids; (b) dipeptide mimics; (c) sugars; (d) sugar phosphates; (e) neurotransmitters; (f) polyhydroxypropylmethacrylamide; (g) dextrans; (h) polymaleic anhydride; (i) cyclodextrins; (j) starches; and (k) polyethyleneimine. The oligonucleotides may be employed for binding to an RNA, and DNA, a protein, or a peptide to inhibit or prevent gene transcription or gene expression, to inhibit or stimulate the activities of target molecules, or the oligonucleotides may be employed as diagnostic probes for determining the presence of specific DNA or RNA sequences or proteins.

L10 ANSWER 6 OF 12 USPATFULL

ACCESSION NUMBER: 2001:4876 USPATFULL
 TITLE: Synthesis of polymer bio-active conjugates
 INVENTOR(S): Marcucci, Fabrizio, Legnano, Italy
 Gregory, Ruth, Milan, Italy
 Pharmacia S.p.A., Milan, Italy (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6172202	B1	20010109
APPLICATION INFO.:	US 1997-889049		19970707 (8)
RELATED APPL. INFO.:	Continuation of Ser. No. US 424548, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1992-25448	19921204
DOCUMENT TYPE:	Patent	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kulcosky, Peter F.	
LEGAL REPRESENTATIVE:	Arent Fox Kintner Plotkin Kahn	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	836	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the preparation of a conjugate between a poly (ethylene glycol) and a protein or glycoprotein, the process comprising specifically binding the domain to a specific binder, to shield the domain from the poly (ethylene glycol) in the following conjugating step, thereafter conjugating the poly (ethylene glycol) to the protein or glycoprotein, wherein conjugation of the poly (ethylene glycol) to the domain is avoided and thereafter releasing the specific binder from the domain without releasing the poly (ethylene glycol) from the protein or glycoprotein, wherein the protein or glycoprotein is other than a proteolytic enzyme selected from the group consisting of trypsin, urokinase, tissue plasminogen activator, plasmin, chymotrypsin, elastase and kallikrein.

L10 ANSWER 7 OF 12 USPATFULL

ACCESSION NUMBER: 2000:124805 USPATFULL
 TITLE: Polybifunctional reagent having a polymeric backbone and photoreactive moieties and bioactive groups
 INVENTOR(S): Clapper, David L., Shorewood, MN, United States
 Swanson, Melvin J., Carver, MN, United States
 Hu, Sheau-Ping, Falcon Heights, MN, United States
 Amos, Richard A., St. Anthony, MN, United States
 EVerson, Terrence P., Eagan, MN, United States
 PATENT ASSIGNEE(S): SunMedics, Inc., Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6121027		20000919
APPLICATION INFO.:	US 1997-916913		19970815 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Naff, David M.		
LEGAL REPRESENTATIVE:	Fredrikson & Byron, P.A.		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2331		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A polybifunctional reagent is provided having a polymeric backbone, one or more pendent photoreactive moieties, and two or more pendent bioactive groups. The reagent can be activated to form a bulk material or can be brought into contact with the surface of a previously formed biomaterial and activated to form a coating. The pendent bioactive groups function by promoting the attachment of specific molecules or cells to the bulk material or coated surface. Bioactive groups can include proteins, peptides, carbohydrates, nucleic acids and other molecules that are capable of binding noncovalently to specific and complementary portions of molecules or cells.

L10 ANSWER 8 OF 12 USPATFULL

ACCESSION NUMBER: 1999:166624 USPATFULL
 TITLE: Protein-containing polymer composition for oral administration
 INVENTOR(S): Plate, Nikolai A., Moscow, Russian Federation
 Valuev, Lev I., Moscow, Russian Federation
 Valueva, Tatyana A., Moscow, Russian Federation
 Staroseltseva, Ludmila K., Moscow, Russian Federation
 Ametov, Alexander S., Moscow, Russian Federation
 Knyazhev, Vladimir A., Moscow, Russian Federation
 Henis, Jay M.S., St. Louis, MO, United States
 PATENT ASSIGNEE(S): Orex Pharmaceutical Development Corp., St. Louis, MO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6004583		19991221
APPLICATION INFO.:	US 1996-691617		19960802 (8)
RELATED APPL. INFO.:	Continuation-in-part of Ser. No. US 1995-408076, filed on 22 Mar 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wehman, Edward J.		
LEGAL REPRESENTATIVE:	Shust, Nestor W. Hudek & Shunk Co., L.P.A.		
NUMBER OF CLAIMS:	69		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2218		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A therapeutic-containing composition adapted for the oral administration of a biologically active material which comprises a water insoluble but water swellable polymer chemically modified with an enzyme inhibitor containing a chemical functionality which has an interactive affinity for target receptors located on the transport barrier walls of the digestive tract of the intended recipient, and at least one therapeutic of low oral bioavailability.

L10 ANSWER 9 OF 12 USPATFULL
 ACCESSION NUMBER: 1999:4322 USPATFULL
 TITLE: Reagent and method for attaching target molecules to a surface
 INVENTOR(S): Duran, Lise W., Maple Grove, MN, United States
 Swanson, Melvin J., Carver, MN, United States
 Amos, Richard A., St. Anthony, MN, United States
 Hu, Sheau-Ping J., Falcon Heights, MN, United States
 Guire, Patrick E., Eden Prairie, MN, United States
 SurModics, Inc., Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5858653		19990112
APPLICATION INFO.:	US 1997-940213		19970930 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Richter, Johann		
ASSISTANT EXAMINER:	Oswecki, Jane C.		
LEGAL REPRESENTATIVE:	Fredrikson & Byron, P.A.		
NUMBER OF CLAIMS:	60		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1701		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method and reagent composition for covalent attachment of target molecules, such as nucleic acids, onto the surface of a substrate. The reagent composition includes groups capable of attracting the target molecule as well as groups capable of covalently binding to the target molecule, once attracted. Optionally, the composition can contain photoreactive groups for use in attaching the reagent composition to the surface.

L10 ANSWER 10 OF 12 USPATFULL
 ACCESSION NUMBER: 97:49512 USPATFULL
 TITLE: Restrained multifunctional reagent for surface modification
 INVENTOR(S): Swan, Dale G., St. Louis Park, MN, United States
 Hastings, Charles A., Hopkins, MN, United States
 PATENT ASSIGNEE(S): BSI Corporation, Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5637460		19970610
APPLICATION INFO.:	US 1994-344570		19941123 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1992-972533, filed on 6 Nov 1992, now patented, Pat. No. US 5414075		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Elliott, George C.		
ASSISTANT EXAMINER:	Fredman, Jeffrey		
LEGAL REPRESENTATIVE:	Fredrikson & Byron, P.A.		
NUMBER OF CLAIMS:	39		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1342		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of preparing (e.g., priming) a surface for attachment of a target molecule to the surface. The method provides a multifunctional reagent having multiple photoreactive groups. The groups can be activated in order to covalently bind one or more of them to the surface in such a manner that one or more will remain unbound. The unbound groups are then capable of reverting to their activatable state, whereupon they can again be activated in order to bind a target molecule having abstractable hydrogen atoms.

L10 ANSWER 11 OF 12 USPATFULL
 ACCESSION NUMBER: 96:36473 USPATFULL
 TITLE: Cell culture support containing a cell adhesion factor and a positively-charged molecule
 INVENTOR(S): Clapper, David L., Shorewood, MN, United States
 Hu, Wei-Shou, Falcon Heights, MN, United States
 PATENT ASSIGNEE(S): BSI Corporation, Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5512474		19960430
APPLICATION INFO.:	US 1994-208916		19940309 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-891509, filed on 29 May 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Naff, David M.		
LEGAL REPRESENTATIVE:	Goldman, Philip M., Haller, James R., Kaihoi, Gregory P.		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1300		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A combination of a cell adhesion factor and a positively-charged molecule are bound to the surface of a cell culture support of a bioreactor to improve cell attachment and stabilize cell growth. The positively charged molecule is preferably polylysine, chitosan, poly(ethyleneimine) or acrylics polymerized from acrylamide or methacrylamide and incorporating positively-charged groups in the form of primary, secondary or tertiary amines, or quaternary salts. The cell adhesion factor is preferably fibronectin, laminin, collagen, vitronectin or tenascin, or fragments or analogs having a cell binding domain thereof. The positively-charged molecule and the cell adhesion factor can be covalently bound to the supporting surface. In another embodiment, the positively-charged molecule and the cell adhesion factor are covalently bound to one another and either the positively-charged molecule or the cell adhesion factor is covalently bound to the supporting surface. Also, the positively-charged molecule or the cell adhesion factor or both can be provided in the form of a stable coating non-covalently bound around the surface of the support. The cell culture support may be in the form of a microcarrier and can be made of polystyrene or polypropylene.

L10 ANSWER 12 OF 12 USPATFULL
 ACCESSION NUMBER: 95:41011 USPATFULL
 TITLE: Restrained multifunctional reagent for surface modification
 INVENTOR(S): Swan, Dale G., St. Louis Park, MN, United States
 Hastings, Charles A., Hopkins, MN, United States
 PATENT ASSIGNEE(S): BSI Corporation, Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5414075		19950509
APPLICATION INFO.:	US 1992-972533		19921106 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Parr, Margaret		
ASSISTANT EXAMINER:	Campbell, Eggerton		
LEGAL REPRESENTATIVE:	Fredrikson & Byron		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1199		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A multifunctional reagent is provided that is useful for the attachment of desired molecules to support surfaces. A reactive reagent molecule of the invention is "restrained" in that it is conformationally and/or chemically restricted from reacting with either itself or with other molecules of the same reagent. Upon activation, this feature causes the attachment of less than all of the reactive sites of the multifunctional reagent to a surface, thereby leaving the remaining sites free to react with molecules desired to be immobilized onto the surface.

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FULL ESTIMATED COST

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